

CLAIMS:

1. A solvent for dissolving nucleic acid, characterized by comprising an ionic liquid which can dissolve nucleic acid.
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2. The solvent for dissolving nucleic acid of claim 1 which is characterized in that the ionic liquid is composed of at least one cation selected from among ammonium cations, imidazolium cations and pyridinium cations.
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3. The solvent for dissolving nucleic acid of claim 1 or 2 which is characterized in that the ionic liquid is composed of an anion which is a halide ion or a carboxylic acid ion having a total of 1 to 3 carbons.
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4. The solvent for dissolving nucleic acid of claim 1 which is characterized in that the ionic liquid is a neutralized ionic liquid.
- 20 5. The solvent for dissolving nucleic acid of any one of claims 1 to 4 which is characterized by being adapted to preserve nucleic acid or to react nucleic acid.
- 25 6. A nucleic acid-containing solution, characterized by comprising nucleic acid dissolved in an ionic liquid.
7. A method for preserving nucleic acid, characterized by preserving nucleic acid in a dissolved state within an ionic liquid.